



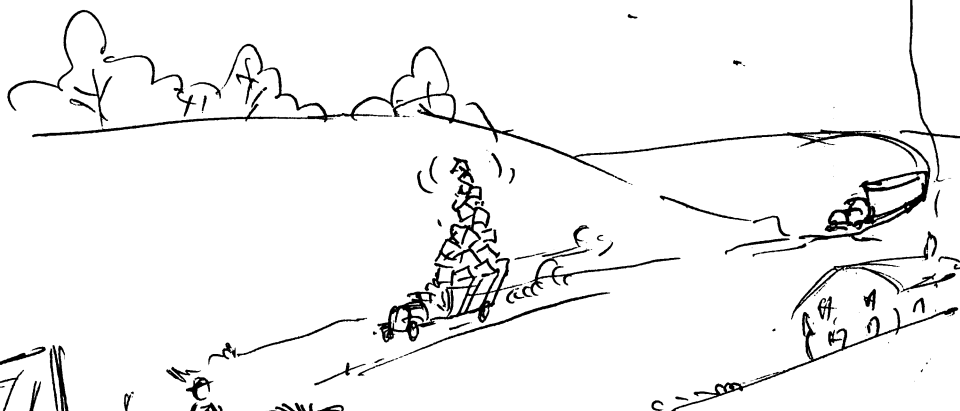
THE BLURB

PHILMONT MOBILE RADIO CLUB INC.

March
1960

EVERY BODY'S
GOT
SOMETHING!

AUCTION
MARCH-7TH



THE
BLURB

Published Monthly by the
Phil-Mont Mobile Radio Club, Inc.

VOLUME 10 March 1960 No. 3

EDITOR

Chas. L. Stouth W3ZPP Br 5-3741
261 Prince Frederick Road
King of Prussia, Pa.

STAFF

Publisher	W3WNC
Cartoonist	W3YHV
Technical Editor	W3DOU
Typist	K3JQC
New Members Chairman	W3CDY

CIRCULATION AND PRINTING

Superintendent...W3GOW Kibitzer...W3AWH
Boss Stitcher...W3JIL Collator...K3DJE
Printer.....W3WNC

The "Blurb" is published by and for the members of Phil-Mont to further the interest of Amateur Radio in general and Mobile Radio in particular. We endeavor to keep news accurate, interesting and in a small way, educational. Any deviation from this is unintentional. Copying and quoting is permitted, provided credit lines are included. Commercial use is not permitted and subscriptions are gladly exchanged with other radio clubs.

DEADLINES

The "Blurb" is mailed on the last Monday of the month. All material for the "Blurb" must be received by the editor, ZPP, before the fifteenth of the month.

1960 CLUB OFFICERS

PRES.	Hymen N. Hecht	W3WNC
V. PRES.	Lloyd Sherman	W3CDY
SEC-Y	Charles E. Greenwood	W3GOW
TREAS.	Tom Donnelly	W3VCE

Brd. of Dir: W3s NIP, VWS, QQH, AWE, DOU
and all 1960 Club officers

MEETINGS

Regular meetings are normally held on the 1st Monday of the month. Check the Calendar at right for the exact date. Meetings are held at the Germantown Town Hall, at Germantown Avenue and Haines Street, starting at 2000 hours (8:00 PM).

NET & NET FREQUENCIES

CH 1 - 29493 kcs CH - 3 - Unassigned
CH 2 - 29626 kcs CE - 4 - 50.7 mcs.
Scrambled egg net Weekdays, 0730-0830
Ten on Ten, Sundays 1000-1100
Blarney Sessions, Anytime, CH 1 or 2
29493 is monitored daily 0830-2400
for the benefit of mobiles in Phila area.

PMRC CALENDAR OF EVENTS

March 7 Regular Meeting 8 PM
Pgm: W3KNC - Space Film

March 16 Midmonth Meeting
W3GOW QTH

April 4 Regular Meeting

April 23 WMRC Luau

SEND ALL COMMUNICATIONS FOR THE BLURB
TO THE EDITOR, ZPP

⇒ AUCTION ⇒

COME AND ENJOY THE
FUN. DONATE YOUR
GADGETS - BUY NEW
GADGETS.

MARCH 7

THE PREZ SEZ:

In the Phil-Mont Mobile Radio Club, a great variety of mobile equipment is used by the members. Some receivers and transmitters are factory built all band. Some are homemade, and some is converted ~~war~~ war surplus, to say nothing of converted citizen band equipment. The input power of the various installations range from 5 watts to 60 watts. Some of this equipment takes up a large amount of space under the dash-when space is available, and other equipment is so large that it cannot be mounted under the dash and therefore finds its way into the trunk and under the hood.

In commercial radio, mobile radio equipment has progressed by leaps and bounds. To-day a commercial mobile transmitter-receiver occupies a space of approximately 8 inches wide, 6 inches high, and about 12 inches deep, and is complete with power supply modulator. Much of this equipment runs as high as 75 watts input. It is time that Phil-Mont looked into these commercial developments and started something of its own in that direction.

If Phil-Mont would become interested, this is what I think could happen. Phil-Mont could design and build a pilot model of a transistorized transmitter (except for the 60 watt final amplifier), a transistorized receiver, a transistorized power supply. The units mentioned would be of modular type construction for quick replacement. The transmitter and receiver would be crystal controlled and switched for two or three channels with one switched position for external V.F.O. and tunable converter.

This appears to be a very ambitious program and I must agree that it is, BUT I feel that Phil-Mont is capable of carrying through such a project.

At this point I wonder how this idea will be received by the membership and how many members will come forth, express their interest in it, and how many will offer to participate in such a project. I personally would like to participate. I would like to build and own one of these mobile units.....Would you?.....

de W3WNC

Phil-Mont Mobile Radio Club is Honored

Phil-Mont received an honor at the Mid-Month meeting via electronic message, tape recorded, from one of our members, W3QCV, Laurence, who is the President of the Franklin Institute. We have been invited to sponsor W3TKQ, the amateur radio station at the Institute. A committee has been appointed to meet with QCV and discuss the pro's and con's of the offer. It would provide us with a meeting place as well as use of the station equipment already installed. Fred, W3ADV, present trustee of the station and Phil-Mont member, was on hand to answer some of the questions and indeed it certainly seems like a most attractive offer. Our committee will however, meet and work out all of the details and report back to the club. The committee consists of W3NIP, AWH and DOU. While too much cannot be said at this time I thought it should be mentioned via the "Blurb" because it indicates the fact that we as a club do accomplish things and earn for Phil-Mont a reputation for doing things well. If this were not so we would never be contacted by so many of the worthy organizations that come to us for assistance in their work and projects. Like all groups or clubs there is a nucleus who carry the ball and see things through. You can only get out of a club what you put into it. It is my hope in presenting the above information that you not so active members will stop and ask yourself, How can I get in on this activity and fun? It's easy. The new year has just begun and our new officers need people for the various committee's. Committee chairmen need people to help them with their assigned tasks. So if you would like to help out in some way, just make it known to W3WNC, our president, that you are available. One new member has already taken over a job because he wanted to help. You get to know some real fine people that way, and they get to know you. If you are too shy and don't want to volunteer, thats okay too..just don't refuse when someone asks for your help.....

VISITORS

K3JQD
W3IHU
W3VDN
W3IWO
W3PER
W3PKV
K3GNJ
K3HCG

* * * * *

We would like to extend a Phil-Mont welcome to our newest member, Tom Dix, W3BFH. I know that Tom will be an asset to the club. For those of you who have not met Tom, walk up and shake his hand at the next meeting.

* * * * *

The next meeting will have as it's program an auction. This auction will be for the benefit of the club treasury. Bring anything that someone else can use and will buy. By donating these items to the club, you will be helping to swell our treasury and enable your officers and directors to make Phil-Mont a bigger and better club. So you really benefit too. Don't forget March 7th.

* * * * *

The dues are rolling in nicely and we thank you who have paid your 1960 pesos. For the remaining few members who just haven't gotten around to it yet, please do it now. W3VCE is the man to see. Remember Article 4 of the By Laws states "The membership of any member whose dues are not paid by the last day of March shall automatically lapse without further notice."

* * * * *

Mid-Month is March 16 at W3GOW. Come out and learn more about Phil-Mont. Get to know your fellow members better. In the words of John Milton "Where there is much desire to learn, there of necessity will be much arguing, much writing, many opinions; for opinion in good men is but knowledge in the making". This-along with good fellowship-is Mid-Month.

* * * * *

Executive Net

Frank, W3HFD, reports mobile activity between 8 - 9 AM consists mainly of CUB, GOW, CSS CW, NIP, UYI, YFV and K3HLJ. Activity the rest of the day is almost nil. Due, no doubt to lack of active monitoring station. Frank is sure that a number of mobiles are listening off and on during the day, but hear no one on. No action. "Keep Philmont Hot". On Friday morning 19 February, this Editor heard HFD, CW and GOW working PJ3AD from their mobiles enroute to work. Looks like a good time to work some DX too. Whatever happened to the Phil-Mont Certificates? I never hear anyone talking these very attractive certificates up to the DX stations or out of town stations any more. Let's keep Phil-Mont Hot and talk up this certificate again. It's a good way to help us keep 29493 active.....

* * * * *

Coffee Mugs

We are about to place another order for club coffee mugs. Those of you who have ordered one of these mugs are requested to pay for them at this time. VCE or CWK will gladly take your money. Anyone who has not ordered a cup and would like to do so, this is the time. Bring your request&money to the next meeting. Beer steins can be had for \$3.00 each and the coffee cups are \$2.25 each. Last call coming up.....

Your Editor and K3GEM Visit ARRL and WIAW

On 11 January 1960, K3GEM and I took off for West Hartford, Connecticut and a visit to the American Radio Relay League headquarters.

Upon arriving at 38 LaSalle Road we entered the building and introduced ourselves to the very attractive receptionist at the desk. After signing the guest register she asked us to wait a moment while she got someone to give us the grand tour. In minutes Mr. George Stevens, K1LW, Assistant Secretary, came down and we exchanged greetings. He immediately recognized Phil-Mont as having been on the October Cover of "QST" (Thanks to the good work of W3QZQ).

We looked about the front part of the first floor which is set up as a museum for antique equipment and houses some of the firsts in Ham Radio. Then we were taken to the back part of the first floor and shown the shipping room and the piles of back issues of "QST" that are still for sale. Some issues are as old as 1927. Then we were shown some offices where memberships are handled, and in one office they took us to the filing cabinets, whereupon the girl asked us our name and immediately pulled out our plates, the ones used in the machines to mail out "QST":

Then we went down to the basement. This is the workshop of ARRL. Here is where they construct all of the items that appear in the Handbooks. They were then working on some items for the 1961 issue of the Handbook. The 1960 issue was at the publishers and about ready to come out. This is a well equipped shop, containing everything to make construction easy and commercial looking.

Leaving the basement we went up to the second floor. Here we met Donald Mix, W1TS, Technical Editor for QST and many others whose names are familiar to those who read QST. Every one always recognized Phil-Mont as the October, and asked many questions concerning the balloon flight. The gang working at headquarters certainly made us welcome and glad we had stopped. George Stevens then escorted us back downstairs to the front door and gave us a map showing how to reach WIAW.

We drove the short distance from La Salle Road to WIAW and went in there. Here we were welcomed by Murray Powell W1QIS. This building, all brick, was completed in 1938, to house the station. The earlier ARRL station 1MK, located in Hartford was washed away in the '36 flood which was a famous station in its own right. The two full-time attendants at the station are J. Murray Powell and Charles Bender, W1WPR.

Briefly, here is a rundown of the equipment at WIAW....all transmitters controlled from one operating desk. There are eight (8) transmitters which are normally used simultaneously for bulletins and code-practice:

BAND..	TUBE	COMPLEMENT.....	ANTENNAS
(meters)		(final)	
160	811A	Final-PP809 Mod	$\frac{1}{2}$ wave end-fed
80	833A	Final-PP810 Mod	$\frac{1}{2}$ wave center-fed
40	PP 250th	Final-PP810 Mod	2 wave length long wire, end fed
20	PP 250th	Final-PP810 Mod	Rhombic(350' per leg)
15	PP 250th	Final-PP810 Mod	Dipole
10	4-400A	Final-PP810 Mod	4 Element Beam
6	PP 4-65A	Final-PP809 Mod	4 Element Beam
2	AX9903	Final-PP807 Mod	6 over 6 Yagi

Antenna-wise besides those mentioned above there is a tri-bander for 10, 15, and 20 meters (this is normally used on 10 for bulletins). There is also a trap vertical for 40, 20, 15 and 10.

A Barker and Williamson 5100-B, 51 SB and an L-1000-A Linear amplifier are used for sideband bulletins on 14 Mc., for general contacts on this and other voice sub-bands. The B & W 5100-B itself is used for traffic nets, general contacts and contests. It is also a standby in case of failure of any one of the other rigs.

For receivers, they have a Collins 75A-3 a Hammarlund HQ-160 with an HC-10 converter and a National HRO-60, which is used on RTTY. The radio teleprinter position is an independent second position in the basement. They also have two (2) emer-

gency generators and the modulators for the other rigs in the basement. For 6 and two meters they use a hand-book design converter which work into the HQ-160.

On Phone bulletins a single input 10 output speech amplifier is used thus enabling the operator to modulate all the transmitters at one time, using one microphone. A keyer does the same for code practice.

This station is located right in the center of residential area and reports no TVI.

Then K3GIM and I headed for the Submarine Base, New London, Connecticut, Mobiling through Old Saybrook, we decided to try to get a message home. We listened on 29493 but heard nothing. Jokingly I said lets call Brad I never fail to raise him. I called W3QV, no answer. Driving along a few miles later we heard K4GNS in Nebraska, Al called him and he relayed to Brad (See I told you so) and W3QV handled our traffic and saved his reputation. Nice going Brad and thanks again.

88888888888888888888

Constructors Corner

Some of the members have expressed a desire to see a section of the "BLURB" devoted to construction information. If you are building anything or interested in building anything, drop this Editor a line stating the facts man. By doing this you may find out someone else is going through the same problems you are or better yet has paved the way for you. For instance W3CDY is in the midst of a transistorized portable super-het receiver and an approximately 1 watt transmitter for use on the balloon flight this spring. This unit promises much for extended use in mobiles. ..W3QQH is up to Tuesday's carfare in a 30 watt transistor modulator and would like to hear from all who have an interest... W3OMK is working on a transistorized Grid Dip meter...W3DOU has done some fine work on transistor power supplies...What are you doing ??? Keep the club informed through this column.

CHANNEL CHATTER

W3AWH - the question has come up as to whether it is legal in Pennsylvania for a

fellow to marry his widow's sister?!--
A note to the SSB boys, a new telemetry transmitter has been used in missiles and rockets capable of sending 40,000 bits of information a second on a single channel--
DSG learns of a new ham in his backyard--
GIF working 15 meters--JIL lamenting the long long winter, won't spring ever come?--
Would like to see the color organ that OWK built--DIZ, Leemartin checked in from home, nice to hear you on frequency--HFD, how about a report on the new power supply?!--
AWH is Soliciting Montgomery County Hams to check in 2030 on Thursday, 29.520 C-D Net--
CUB poking out his usual good signals both mobile and fixed--HQJ in town for a change--
YJM, Net Control even with a rough cold, nice going Charlie--KNC coming through with program material when we need it--UNK always on hand with some news items--WNC with one ear glued to the frequency to be on hand if needed--GOH club Secretary wishes to report "FMI", the Heath FM4 Tuner that he won at the banquet is being thoroughly enjoyed by the Greenwoods to the extent that TV has taken a back seat in favor of it--FOG bought the "Black Widow" transmitter-receiver from QCV, having so much fun with it in the shack, don't know when it will get into the car--DSG has new NC300 and AWH an NC303 and now ADV reports a new HQ170 doing a fine business job in his shack.--
For the latest scoop on the Heath transistorised all band receiver talk to GHE he likes it--IVD converting Super 6 to Super 12, Sounds like another source for a Tek-Ni-Gram for DOU--EQV will be on 10 meters at home QTH as well as mobile by the end of the month--Remember 29493 and keep it hot--
FWG was placed on the retired list of the Navy as of January 1, with the rank of Lieutenant--NIP walking in late to the meeting--DEJ heard up on two meters--YHV reports that he had to run that phone patch for the maritime mobile in lieu of YJM because the fellows was on an Atlantic tanker--
For QQH to add to his list of definitions, our definition of disillusionment is finding a corn pad when drinking champagne from a slipper--Remember the cartoon in the February issue???this ED would like to know how far out that doorway QZ0 has wandered, haven't seen or heard from him since--NIP with an ear to the ground, listening for footsteps that might say 75A3--DJE putting up his new beam--DOU making an excellent host at mid-month--AHP showed up at the meeting after missing a couple--The snow

arriving at last to make the annual check on antenna's--PST earns congratulations on his new youngster--EXY asking for road conditions on the N.J. turnpike--FLP signal has improved--The Phila Skating & Humane Society of Ardmore has been the scene of a new mobile gimmick - AMH skating around the rink - vibrator in good shape but dynamotor kinda weak, if you know what I mean--DJW asks are SSB or AM phone boys going to get the new 50 Kc segment on 20 meters--PKY reports sleeping is tough on airplanes when you ride by the week--an exhaustive survey has determined that the ham mobile vibrator of rcvr supply cycles approximately 302,220,000 times during the years average use, provided the vibrator lasts that long--Did anyone notice the dexterity with which W3OEC handled the Pepsi-Cola opener at mid-month--Speaking of Mid-Month we have W3IRS to thank this month for a most enjoyable evening--W3VVS mobile is back on the air - after putting new main and rod bearings in the prime power (engine to you). After starting the engine and road testing - a tube filament opened up in the converter and the antenna coax input lead to the converter developed an intermittant - all okay now and we welcome Paul back to the fold.

HOW MUCH DO YOU KNOW ABOUT TRANSISTORS ? ? ? ?

Delco Radio course of study offered at no cost to you. One week Advanced Training School no tuition charge, no laboratory fees and textbooks supplied. Diploma awarded to those who successfully complete the course. Conducted in General Motors Training Center, Philadelphia 20 June 1960. Register now through your local Delco Electronics Parts Distributor or write directly to Delco Radio Division, General Motors Corporation, Kokomo, Indiana, Attention: Service Manager or United Motors Service 850 E. Luzerne Street, Philadelphia 24, Penna.

For cleaning black crackle, a little Carbona Soapless Lather and some carbon-tet, mixed half and half and brushed on with a paint brush works wonders. Work a small area at a time, and wipe dry after a couple of minutes with a soft rag or towel.

THINGS TO COME IN THE SIXTIES

Picture on the wall TV along with world-wide television broadcasting, using earth circling satellites to relay programs from one continent to another. A scatter type system is being used by way of the Greenland route to test this system now. At present there is a partial delay in signals. Broadcasting in stereo, using FM to carry both sound channels on one frequency.

Microphone Holds Promise (Collector-Emitter)

Bell Labs have announced a new piezoresistive solid-state device that has interesting properties as a microphone. Compared with the old stand-by the carbon mike, it requires but one-fiftieth the power and one-tenth the current to produce a given value of voice-frequency current from a standardized amount of acoustical power. Sounds like a natural for mobile use, doesn't it?

One time when mobile radio did not pay off:

Last December, in the midst of a severe snowstorm in a New Hampshire town, a cab driver delivered a passenger to a home about a mile from his stand. As he was about to return, he received a message on his radio to pick up another fare just across the street from where he was then parked. He turned his cab, parked in front of the house, and knocked on the door. "You sent for a cab, lady?" he inquired politely when the door was quickly opened.

6
"Yes, but I'm not going to ride with you on a night like this!" exclaimed the indignant woman who responded to his knock. "I just hung up the phone--you drive too fast!"

The Phil-Mont Club Directory is out and in the hands of you members. Thanks to a very nice job by K3JQC. A vote of thanks goes to W3YHV, also, for making up the cards that were mailed out for the members to fill in and return. Without the cooperation of these two people we would still be using the old directories. So Anne and Bill, thank you for this very useful addition to the ham shacks of Phil-Mont.

SWAP AND SHOP

For Sale: VFO Model 755 \$40.00
Globe Scout Model 65A \$55.00
Both factory wired and tested----W3ZPP

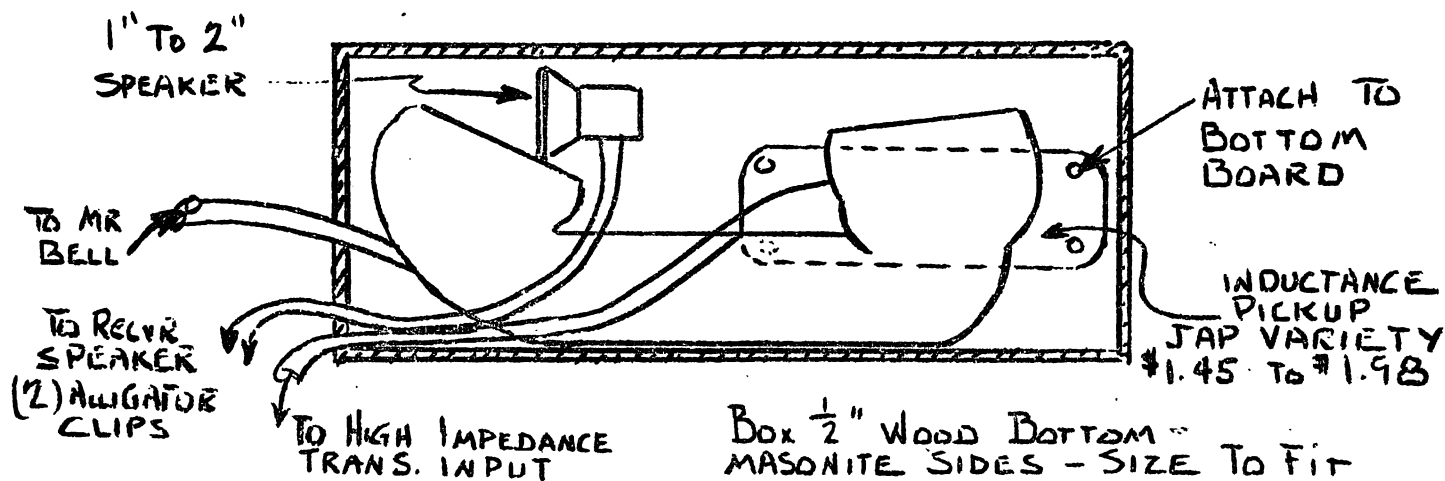
For Sale: Morrow Converter - MHR-2 \$40.00
80 thru 10 Meters
Gonset Super "6" \$25.00
Bendix 6 volt Oldsmobile radio \$10.00
Buick Radio 6 volt 8.00
Contact K3QJE

For Sale: 1 KW GG linear amp par 803 home brew 40-80-20
Built in power supply can be driven with any 50 w transmitter
CW or phone 2 803 spares \$125.00
Hallicrafter S-38 receiver \$30.00
Call K3DSO

For Sale: Johnson Ranger-factory wired complete with 52 OHM L.P.
filter E.V. mike P.T.T. and Lynnar TR switch \$ 225.00
Viberflex key deluxe with case \$ 15.00
W3TXO Folcroft PA. LU3-1141

SUBMITTED BY W3PXY -

PHONE PATCH
INDUCTOACOUSTIC - NO CONNECTIONS!



NOTES: - MAXIMUM INDUCTANCE PICKUP IS ON SIDE OF PHONE.
LOCATE COIL AS SHOWN.

- CUT BOX SIDES JUST HIGH ENOUGH TO CRADLE PHONE.

- THE ABOVE SETUP WILL HAVE SUFFICIENT AUDIO PICKUP
TO OVERDRIVE ANY COMMERCIAL AUDIO SYSTEM.
SPEAKER WILL DRIVE PHONE TO MAX. LEVEL.

- PROCEDURE FOR USE -

1. DIAL PHONE AND GET PARTY ON.

2. DROP PHONE INTO BOX.

3. PICK UP BOX SO YOU CAN HEAR PHONE

4. PROVIDE MANUAL OR VOX SWITCH OVER

CHEAP - EASY - 1/2 HOUR WORK - NO PHONE CONNECTIONS TO MR. BELL

THOSE OF YOU WHO BOUGHT THOSE TRANSISTOR -
TOROID POWER TRANSFORMERS FOR 5 BUCKS
WILL BE INTERESTED TO KNOW - THAT YOU CAN GET
* 580 V. AND 290 V CONTINUOUSLY - AT 200 MA - TOTAL OR
540 V AND 270 V INTERMITTENTLY - AT 310 MA - TOTAL
* IF YOU CHANGE THE $2\ \Omega$ RESISTORS IN THE CKT TO $1\ \Omega$ 10W.
AND THE $100\ \Omega$ TO $50\ \Omega$ 10W - IN ADDITION - IF YOU WANT TO
HIT 310 MA. ON PEAKS -

PLUS - MOUNTING THE TRANSISTORS ON A 1/8" x 4" x 5" COPPER HEAT SINK.
See W3DOH & W3DOU & W3HFD

"THE BLURB"
A Phil-Mont Mobile Radio
Club Publication
2242 Cambridge Road, Broomall, Pa.
March 1960

RETURN POSTAGE GUARANTEED

TO BROOMAL



T I M E V A L U E

MEETING NOTICE

C. R. Spencer W9QH
124 Central Ave.
North Hills Pa. R